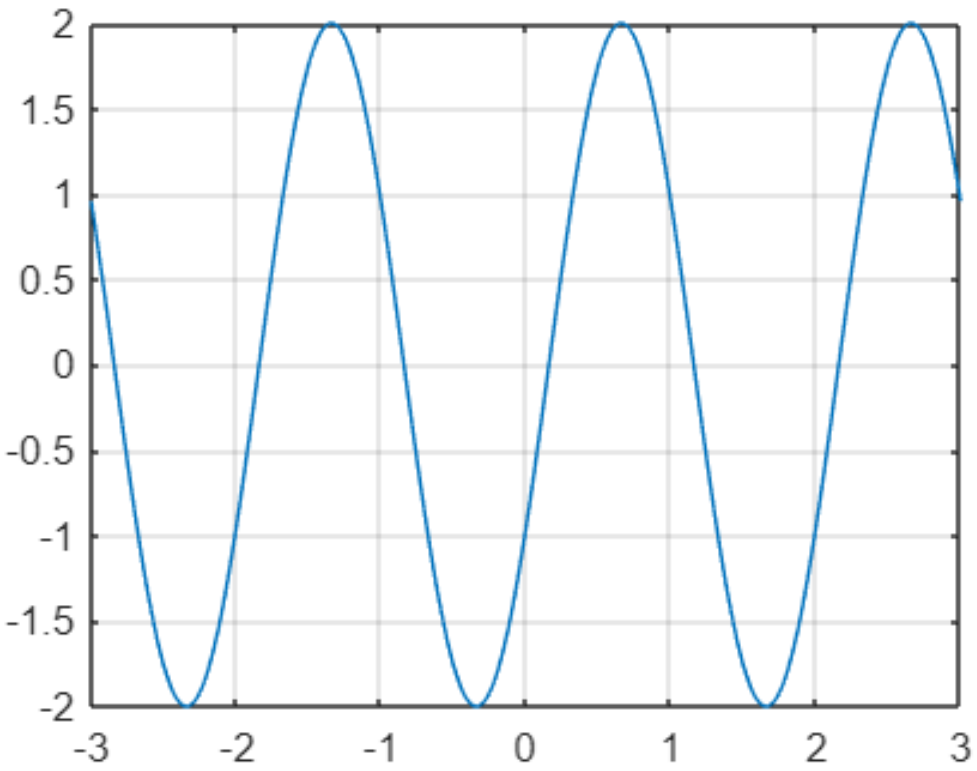
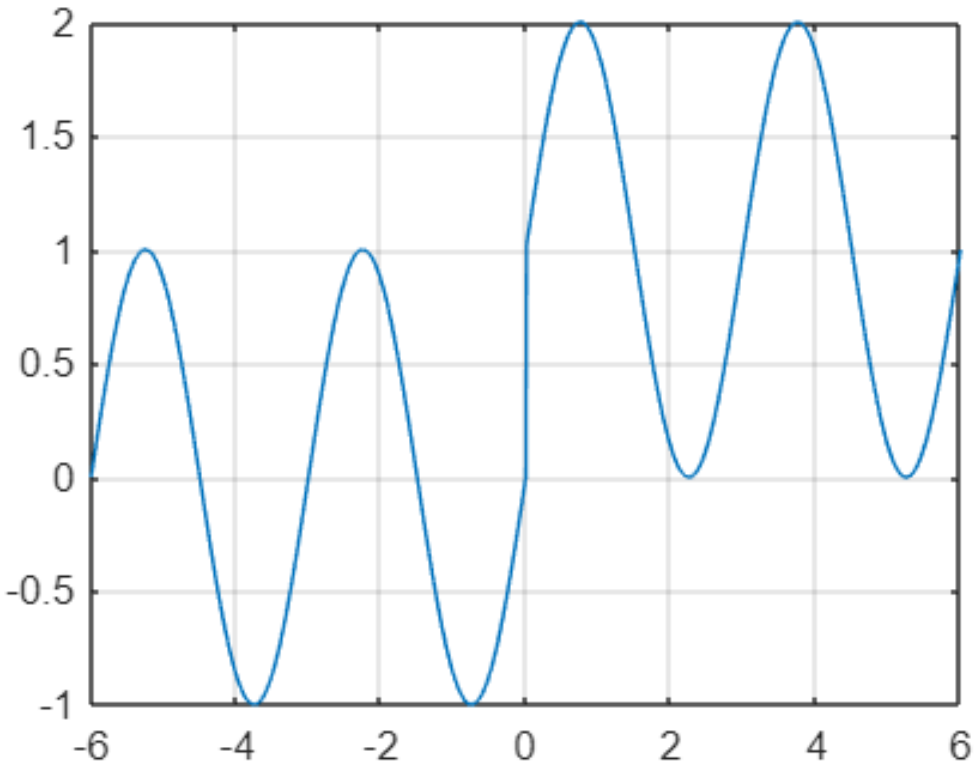
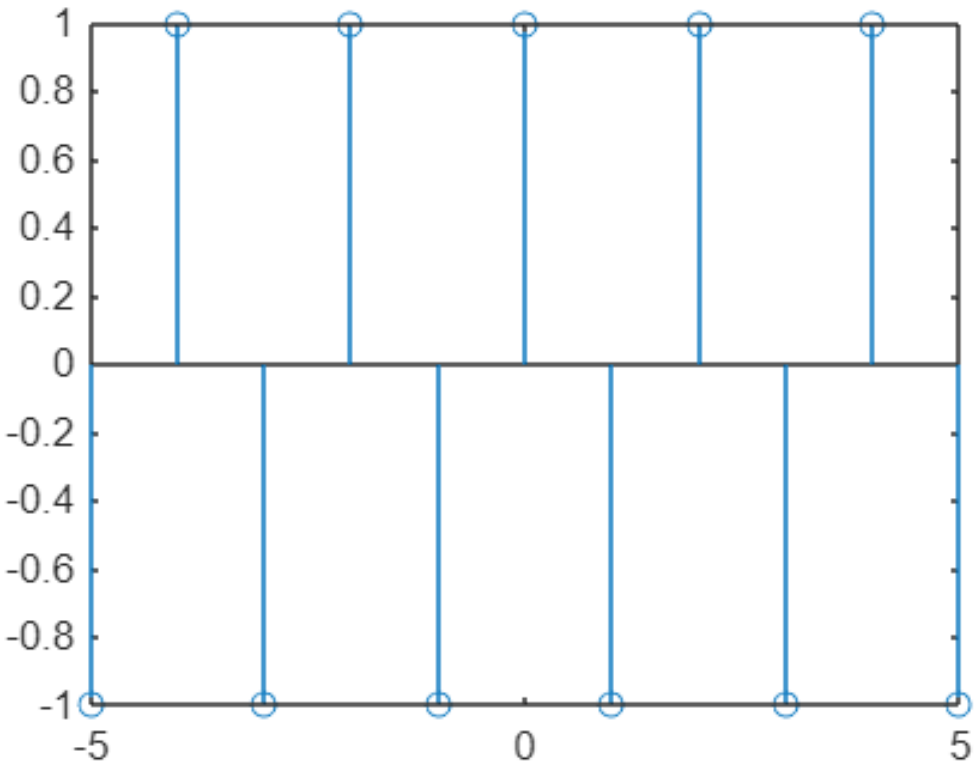
```
%% Ex. 1 a)
clear variables
T=2;
t=-3:0.01:3;
w=2*pi/T;
x=2*sin(t*w-0.5);
plot(t,x);grid
yticks(-2:0.5:2)
axis([-3 3 -2 2])
```



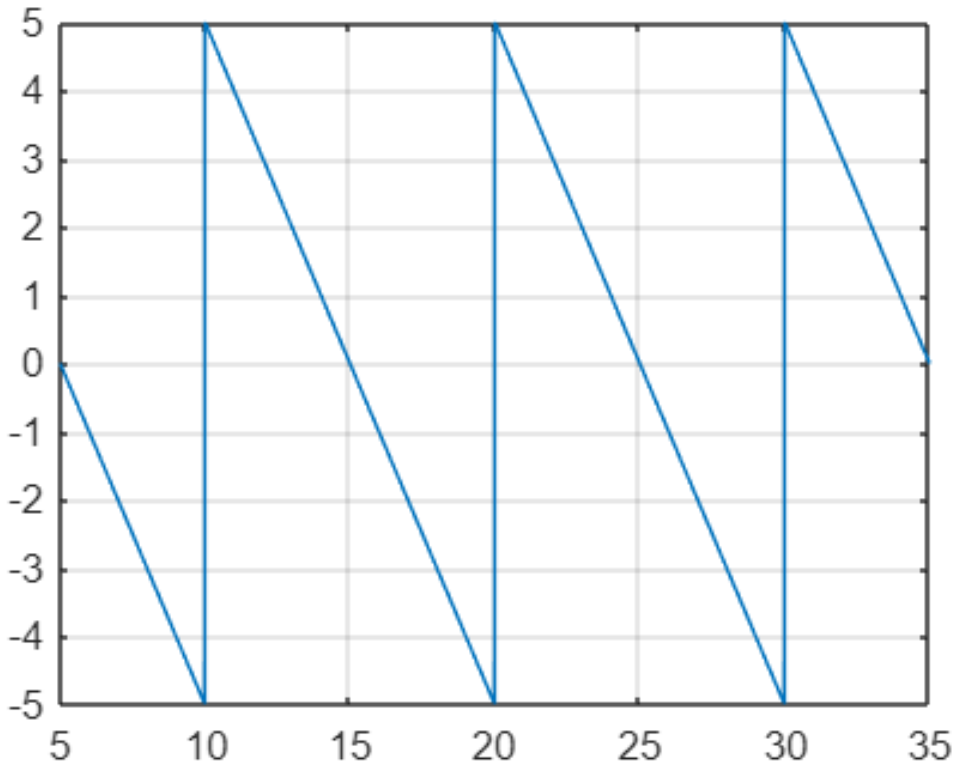

```
%b)
clear variables
T=3;
t=-6:0.01:6;
w=2*pi/T;
x=@(t) sin(t*w).*(t<=0)+(1+sin(t*w)).*(t>0);
plot(t,x(t));grid
axis([-6 6 -1 2])
```




```
%c)
clear variables
N=5;
T=2;
n=-5:5;
w=2*pi/T;
xr=cos(w*n);
stem(n,xr);
yticks(-1:0.2:1)
axis([-5 5 -1 1])
```




```
%d)
clear variables;
T = 10;
w=2*pi/T;
t = 5:0.01:35;
x =(-5)*sawtooth(w*t);
plot(t,x);grid
yticks(-5:1:5)
axis([5 35 -5 5])
grid on
```


5
4
3
2
1
0
-1
-2
-3
-4
-5
5
10
15
20
25
30
35